

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Presently Amended) A method for distributing keys to subscribers in digital mobile radio networks, ~~with the keys being generated, and possibly being stored if required,~~ comprising the steps of:

generating the keys in a security device provided at the mobile radio network end and, ~~on request by a subscriber, at ;~~

requesting at least one key being requested from the security device ~~and being transmitted ; and~~

transmitting the at least one key via the mobile radio network to a mobile station or a terminal of ~~the~~ a subscriber, ~~characterized in that wherein~~

the generated keys are stored in the security device prior to transmission;

the requesting step is performed by the subscriber;

the transmitted key is allocated to ~~that~~ the subscriber[[,]] ; and

the transmitted key is stored in the terminal and/or in a subscriber identity module SIM (SIM) in the mobile station.

Claim 2 (Presently Amended) The method ~~as claimed in of~~ claim 1, ~~characterized in that an SAT~~ further comprising a SIM application toolkit (SAT) application ~~is~~ set up in the ~~subscriber identity module SIM[[,]]~~ in the mobile station, and

wherein the SAT application carries out additional end-to-end encryption of the key transmitted between the mobile station and the security device.

Claim 3 (Presently Amended) The method ~~as claimed in of~~ claim 2, ~~characterized in that, in order to use~~ wherein before using the SAT application, the subscriber must identify himself to the subscriber identity module is identified to the SIM by entering a PIN personal identification number (PIN).

Claim 4 (Presently Amended) The method ~~as claimed in of~~ claim 1, ~~characterized in that~~ wherein the transmitted key is stored in a protected memory area in the ~~subscriber identity module~~ SIM.

Claim 5 (Presently Amended) The method ~~as claimed in of~~ claim 1, ~~characterized in that~~ wherein the key is transmitted via a traffic channel in the mobile radio network.

Claim 6 (Presently Amended) The method ~~as claimed in of~~ claim 1, ~~characterized in that~~ wherein the key is transmitted in the form of a short message SM (SM) via a signaling channel in the mobile radio network.

Claim 7 (Presently Amended) The method ~~as claimed in of~~ claim 1, ~~characterized in that,~~ wherein when the key is requested, the subscriber's authorization is checked by

evaluating a mobile subscriber telephone number ~~MSISDN~~
(MSISDN) for the subscriber.

Claim 8 (Presently Amended) The method ~~as claimed in~~ of
claim 1, ~~characterized in that~~ wherein the security device
sends the key which is transmitted to the subscriber to one or
more added value service nodes.